



# Sandblast Stencil 510

Technical Data

May, 2007

**Product Description** 3M™ Sandblast Stencil 510, also known as letter perfect, can be used for hand-cut and die-cut applications as a surface protection during blasting procedures.

Product Construction	Backing	Adhesive	Liner	Standard Roll Sizes*
	Light green colored rubber	Rubber	2 mil polyester	12 <sup>3</sup> / <sub>4</sub> ", 18 <sup>3</sup> / <sub>4</sub> ", 25" x 10 yds. (9 m)

\*Note: Contact your local 3M Sales Representative for non-standard size information.

**Typical Physical Properties** Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

		ASTM Test Method
Total Thickness:	45 mils (1.4 mm)	D-3652
Adhesion to Granite:	30 oz./in. width (24 N/100 mm)	D-3330 (Granite)

- Features**
- Takes distinct carbon transfer.
  - Easy to cut and lines show up clearly.
  - Excellent blast resistance.
  - One piece removal.
  - Excellent adhesion to many polished surfaces.

- Application Techniques**
- It is recommended that this stencil **not be applied to cold stone** because of possible condensation forming on the surface when placed in warm areas and should be applied to a warm, clean and dry surface.
  - To minimize shrinkage, allow rubber backing to relax before applying to the stone. Rub down firmly to adhere stencil to the stone. Use 3M™ Sandblast Filler #2 to help increase adhesion and hold stencil to polish stone surfaces.
  - Can be die-cut by reversing the liner so that the non-treated side of the liner is against the adhesive.

# 3M™ Sandblast Stencil

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- Application Ideas**
- Can be used to help protect granite, marble and wood during sandblasting operations:
    - a. Designed for single-process technique and straight blasting.
    - b. Used for two-process shape carving.
  - Excellent for wood sign sandblasting.
  - Can be used for gaskets, cushioning and other applications where heavy, uniform caliper is desired.

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**Storage** Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original carton.

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**Shelf Life** To obtain best performance, use this product within 12 months from date of manufacture.

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**Product Use** All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

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**ISO 9001:2000**

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